

construction with smoother transitions from one ramp gradient to the next and can employ curved surfaces for making such transitions, as schematically illustrated in the section view of Figure 4.

Please insert the following section into the specification as the Abstract, following page 11, that page being the last page of the Claims:

ABSTRACT

An improved hydrocyclone provided with a back wall with at least two ramps, where the ramps impart a greater axial velocity component to the fluids at the periphery as measured radially from the longitudinal axis of the hydrocyclone and a lesser axial velocity component to portions of the incoming fluid stream closer to the longitudinal axis of the hydrocyclone. The ramps of the back wall correspond generally to the swirl pattern within the hydrocyclone, a combination of axial and tangential velocity components, enabling the incoming fluid stream to reach the desired flow pattern more quickly and efficiently than otherwise possible.